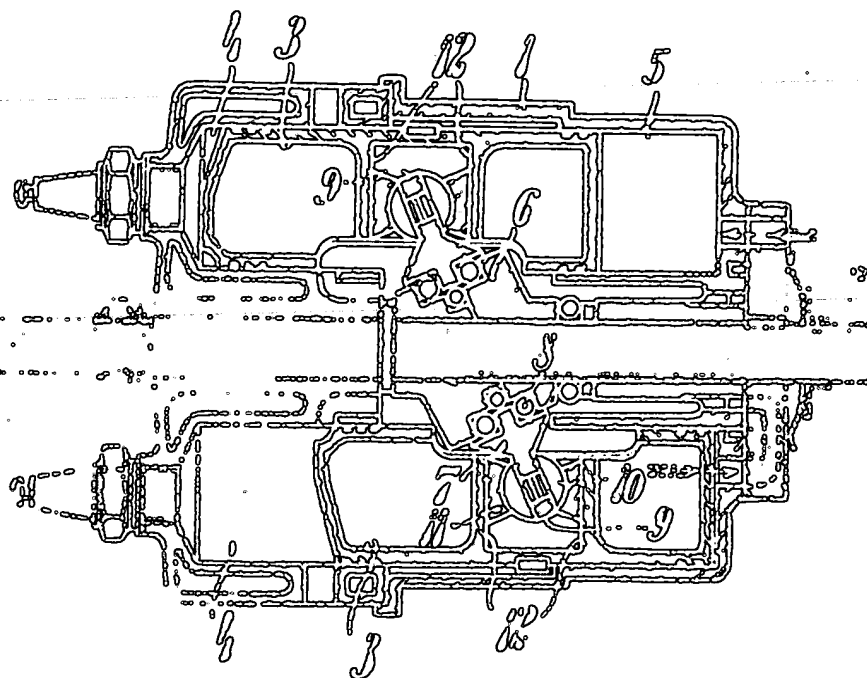


BEST AVAILABLE COPY

220594 COMPLETE SPECIFICATION

8 3 08 00

is reproduction of the Original



[illegible]

when the arm 9 engaging a piston has an oblique position in relation to the motor shaft are wholly taken up by the ball bearings of the driving disc.

- 5 It is not necessary in order to relieve the pistons from radial pressures that the sliding surfaces between the pistons and the sliding members 11, 11 be plane. The same effect may also be attained by 10 means of cylindrical or other prismatic surfaces which effect guiding in a direction at right angles to the axes of the pistons. If such prismatic surfaces are used it is generally necessary to provide 15 for movability in peripheral direction to a certain extent between the pins 10 and the sliding members to prevent chapping during the wobbling motion of the driving disc. Such movability is in the 20 simplest way obtained by using cylindrical engaging surfaces on the pins 10 and the sliding members 11, 11.

- Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In internal combustion engines, compressors, pumps and the like having 30 cylinders which are axially disposed around a central shaft and pistons in said cylinders engaging a wobbling driving disc journaled on the shaft, an arrangement characterized by this that

the connection between the driving disc and the pistons is obtained by means of sliding members adapted to move radially to said pistons in a plane which is perpendicular to the axes of the pistons.

2. An arrangement as claimed in claim 1, characterized by this that the surfaces of the pistons and the sliding members engaging each other are plane and perpendicular to the axes of the pistons while the engaging surface of the sliding members and the driving disc is obtained by means of splined or cylindrical pins secured to the latter in work-kinematic manner.

3. An arrangement as claimed in claim 1, characterized by this that the surfaces of the pistons and the sliding members engaging each other are cylindrical or prismatic surfaces which guide the sliding members in a direction perpendicular to the axes of the pistons, while the engaging surfaces between the sliding members and the driving disc is obtained by means of splined or cylindrical pins secured to the latter in work-kinematic manner.

Dated this 24th day of March, 1924.
CARTER & PATTERSON, ATTORNEYS.

W. A. G. & Co.,
Sole and General Agents, London.

20. Signed Witness, J. A. G. & Co.,
Agents for the Applicant.